



WatchGuard AP

Setup Guide

AP 100

AP 200

About WatchGuard

WatchGuard offers affordable, all-in-one network and content security solutions that provide defense-in-depth and help meet regulatory compliance requirements. The WatchGuard XTM line combines firewall, VPN, GAV, IPS, spam blocking and URL filtering to protect your network from spam, viruses, malware, and intrusions. The new XCS line offers email and web content security combined with data loss prevention. WatchGuard extensible solutions scale to offer right-sized security ranging from small businesses to enterprises with 10,000+ employees. WatchGuard builds simple, reliable, and robust security appliances featuring fast implementation and comprehensive management and reporting tools. Enterprises throughout the world rely on our signature red boxes to maximize security without sacrificing efficiency and productivity.

For more information, call 206.613.6600 or visit www.watchguard.com.

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You can find all WatchGuard documentation online at:
<http://www.watchguard.com/help/documentation/>

Notice to Users

Information in this guide is subject to change without notice. Updates to this guide are posted at:

<http://www.watchguard.com/help/documentation/ap.asp>

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Introduction

The WatchGuard® AP family of wireless access points provide secure, reliable, wireless communications while delivering high performance and broad coverage—a perfect combination of services that will meet the needs of enterprise-level customers, small businesses, branch offices, campuses, and hotels alike.

WatchGuard AP devices feature 2x2 MIMO (Multiple Input Multiple Output) capability and 802.11 a/b/g/n wireless coverage and operate on both 2.4GHz (b/g/n) and 5GHz (a/n) spectrums, to provide users with enhanced reliability and performance. Internal antennas, slim cases, minimalist labeling, and small LEDs, coupled with wall and ceiling mounting options, make these devices ideal for low profile deployment scenarios. Power is provided via an AC adapter or optional PoE injector when outlet access is not easily accessible.

The WatchGuard AP is managed and controlled directly from a WatchGuard XTM device to provide centralized, secure management and configuration of all WatchGuard wireless devices on your network.

The WatchGuard AP product line includes these models:

- AP 100 — Single-radio 2.4/5Ghz switchable 2x2 MIMO 802.11n, provides up to 300Mbps data rate
- AP 200 — Dual-radio 2.4GHz and 5GHz 2x2 MIMO 802.11n, provides up to 600Mbps data rate

Requirements

- The WatchGuard AP device must be managed by a WatchGuard XTM device that uses Fireware XTM OS v11.7.2 or higher.
- The WatchGuard AP device must be located on a Trusted or Optional network of the WatchGuard XTM device to allow communication between the two devices.

Registration and Activation

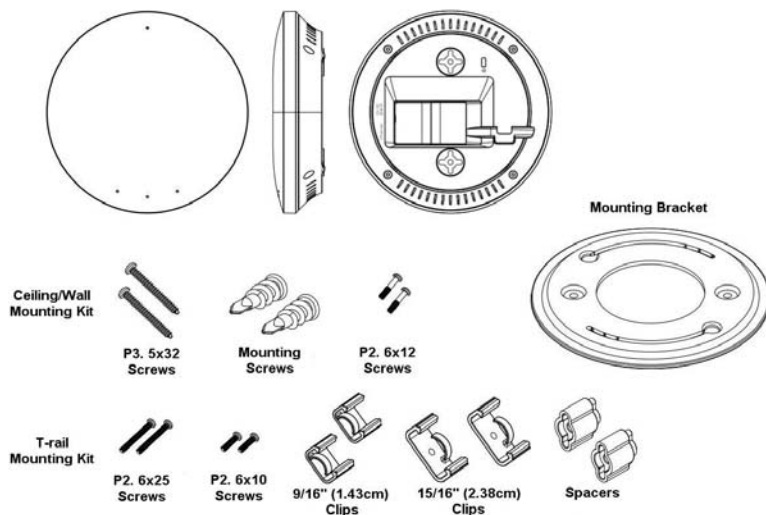
You must register your WatchGuard AP to activate the device and start your LiveSecurity subscription. The WatchGuard LiveSecurity subscription activates your hardware replacement warranty, enables you to receive technical support, and provides access to the latest OS updates and product news.

- **Automatic Activation** — After you pair a WatchGuard AP device with an XTM device, the XTM device automatically connects to the WatchGuard web site and sends the information necessary to activate the AP device on the same WatchGuard account where the XTM device was activated.
- **Manual Activation** — You can activate the AP device in your WatchGuard account just as you would activate an XTM device or add-on feature.
 - Go to <http://www.watchguard.com/>.
 - Log in with your WatchGuard account user name and password.
 - On the **Support Home** tab, click **Activate a Product**.
 - Type the serial number of the WatchGuard AP device (including hyphens).
 - Follow any remaining prompts to complete activation of your AP device.

Mount the WatchGuard AP Device

All of the items necessary to install your WatchGuard AP device are included in the package. These items include:

- WatchGuard AP device
- Setup Guide
- Wall/Ceiling Mounting Kit
- T-rail Ceiling Mounting Kit
- Mounting bracket
- AC adapter (12V) with US, EU, UK, AU region-specific adapters

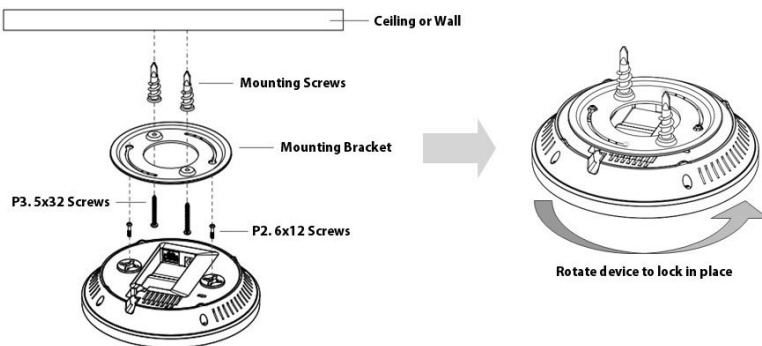


Ceiling/Wall Mounting Instructions

1. Position the mounting bracket on the wall or ceiling where you want to install the WatchGuard AP device.
2. Use the mounting bracket as a guide to mark the position of the WatchGuard AP device on the wall or ceiling.
3. Remove the mounting bracket and insert the large mounting screws into the marks you made on the ceiling or wall.
4. Insert the long 5x32 screws through the bracket and into the mounting screws.
5. Insert the short 6x12 screws partway into the bottom of the device. Do not tighten the screws completely. Keep the heads of the screws exposed to attach the device to the mounting bracket.

If extra space is required between the device and the mounting bracket, use the spacers and long 6x25 screws from the T-rail mounting hardware kit.

6. To attach the device to the mounting bracket, insert the screw heads from the device into the slots in the mounting bracket, and rotate the device clockwise to lock the device in place.



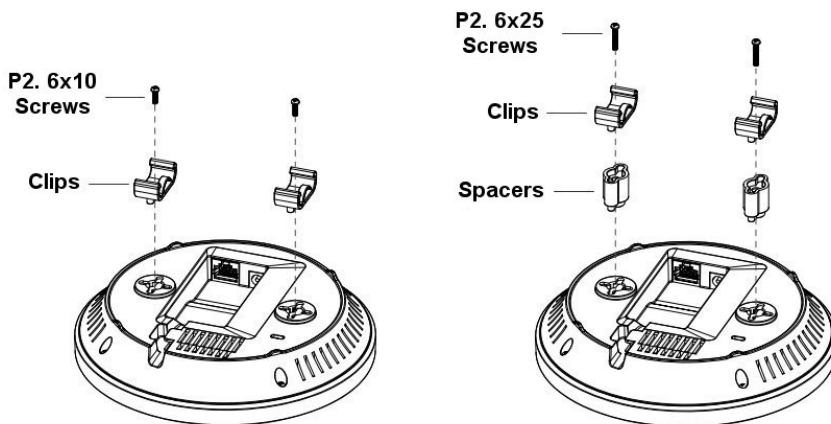
T-rail Mounting Instructions

To mount your WatchGuard AP device on a suspended ceiling, you can use one of the two T-rail connectors included in the mounting hardware kit: 15/16in (2.38cm) and 9/16in (1.43cm). Before you mount your WatchGuard AP device, make sure you select the correct T-rail connector size.

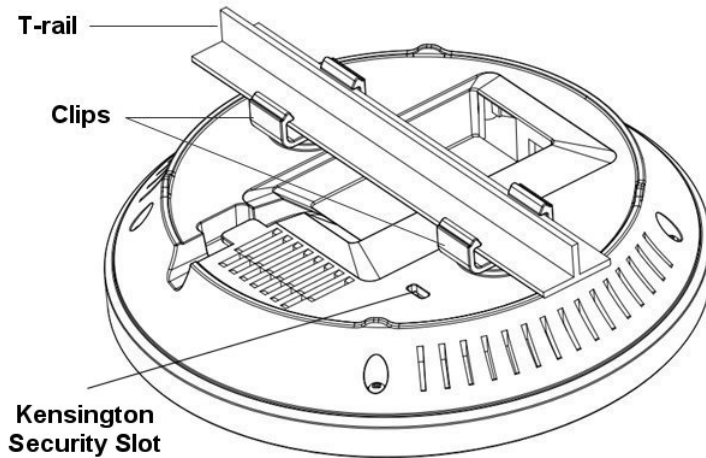
If you require additional space between the device and the ceiling, you can use the provided spacers and long 6x25 screws.

To mount the device on a suspended ceiling with the T-rail connectors:

1. Attach the T-rail connectors to the bottom of the WatchGuard AP device with the short 6x10 screws.



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2. Press the device into the ceiling T-rail until the clips snap securely into place.



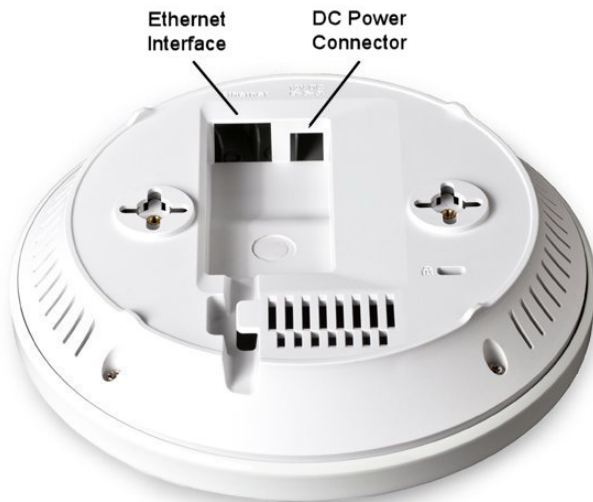
To protect your device from theft, use the Kensington security slot to attach a cable lock (not included).

Connect the WatchGuard AP Device

To connect the WatchGuard AP device:

1. Insert an Ethernet cable into the Ethernet interface on the WatchGuard AP device.
2. Connect the other end of the Ethernet cable to your network.

If you must connect to the local Web UI of the AP device, connect the Ethernet network cable directly to the computer you will use to configure the AP device.



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3. Connect the power adapter to the DC power connector on the WatchGuard AP device. For more information, see *AC Power Adapter* on page 16.

If you use a PoE adapter, make sure that the Ethernet cable is connected to the correct port on the PoE adapter. For more information, see *Connect the Ethernet Power Injector* on page 18.

The device will power on. The *Power/Status* light flashes amber while the device boots up and then changes to steady green when the device is ready.

Assign an IP Address to the WatchGuard AP

There are two ways you can assign an IP address to the WatchGuard AP to connect the device to your network:

- Automatic IP address configuration by DHCP (default)
- Manual IP address configuration

Automatic IP Address Configuration by DHCP

When first powered on, the WatchGuard AP is configured to automatically receive an IP address from the network via DHCP. After the AP device receives an IP address, the WatchGuard XTM can connect to the AP device through automatic discovery.

Manual IP Address Configuration

If you do not use DHCP on your network, you must directly connect to the WatchGuard AP and assign an IP address to the device from its local Web UI.

To connect directly to your WatchGuard AP device, you must physically connect an Ethernet cable between the AP device and a computer, then connect to the Web UI on the AP device with a web browser. After you have connected to the WatchGuard AP, you can configure the device with an IP address to integrate with your network.

To configure the AP device, you must have these items:

- Computer with an Ethernet interface
- Web browser (Internet Explorer, Firefox, Safari, or another similar application)

Before You Begin

The default IP address of the WatchGuard AP device is **192.168.1.1**.

To make sure you can connect to the WatchGuard AP device and complete the configuration procedure, you must first configure your computer to use these settings:

- IP address: **192.168.1.2**
- Subnet mask: **255.255.255.0**
- Gateway: **192.168.1.1**

Connect to the WatchGuard AP

1. On your computer, open a web browser and type `https://192.168.1.1` in the location bar.
2. To log in to the WatchGuard AP, type the default password: **wgwap**
3. Configure your WatchGuard AP with an IP address and appropriate network settings so that the device is on the same network as your WatchGuard XTM device.

When the WatchGuard AP is assigned an IP address, the WatchGuard XTM can connect to the AP device by automatic discovery.

Pair the AP Device with the WatchGuard XTM

You must now use the WatchGuard XTM to pair the WatchGuard AP device with the XTM and add the device to the wireless network.

1. Use Policy Manager or the Fireware XTM Web UI to edit the XTM device configuration.
2. Select **Network > Gateway Wireless Controller**.
3. Enable the Gateway Wireless Controller, and save the configuration to the XTM device.
4. In the Gateway Wireless Controller, on the **Access Points** tab, click **Refresh** to discover the AP device.
5. Select the unpaired Access Point and click **Pair**.
6. In the **Pairing Passphrase** dialog box, type the passphrase on the AP device. The default passphrase is **wgwap**.

For detailed information about WatchGuard AP pairing, management, and configuration with your XTM device, see the Wireless section of the Fireware XTM Web UI or WSM Help at <http://www.watchguard.com/help/documentation/xtm.asp>.

Hardware Specifications

WatchGuard AP Specifications	
MCU Processor	Atheros AR9344 533MHz
Memory: Flash	16 MB
Memory: RAM	128 MB (64MB x 2)
Radio	AP 100 (Radio 1) Atheros AR9344 for switchable 2.4Ghz/5GHz AP 200 (Radio 1) Atheros AR9344 for 5GHz (Radio 2) Atheros AR9382 for 2.4GHz
Gigabit Physical Layer (PHY)	Atheros AR8035
Radio Type and Frequency Band	2.4GHz, 802.11b/g/n, 5GHz, 802.11a/n AP 100: 300 Mbps data rate AP 200: 600 Mbps data rate (300 Mbps per radio)
Antenna	Modular High Efficiency PIFA Antenna Peak Gain: 2.4 to 2.5GHz / 3dBi 5.150-5.875GHz / 4dBi
Ethernet Interface	1 RJ45 connector for 10/100/1000 Gigabit Ethernet
Power Interface	DC jack (12V DC input)
Power Supply	12V 1.25A

Environmental Requirements

To safely install your WatchGuard AP device, we recommend that you:

- Install the device indoors.
- Make sure the device has adequate clearance for air flow and cooling.
- Connect the device to a surge-protected power supply to prevent damage from sudden power changes.

Operating temperature	32 to 104°F (0 to 40°C)
Operating relative humidity	5% to 90% Non-condensing
Storage temperature	-40 to 158°F (-40 to 70°C)
Non-operating relative humidity	5% to 90% Non-condensing

Device Connections and Buttons

Ethernet Network Interface

Standard RJ45 connector that supports link speeds of 10/100/1000 Mbps.

Power Input

A 12V AC adapter is included with your device. Connect the AC adapter to the device and to a power source. Use only the supplied AC power adapter.

If you use the optional PoE adapter, make sure that the PoE adapter complies with the IEEE 802.3af PoE specification. Do not use any PoE adapters that are not IEEE 802.3af compliant as they may damage your device.

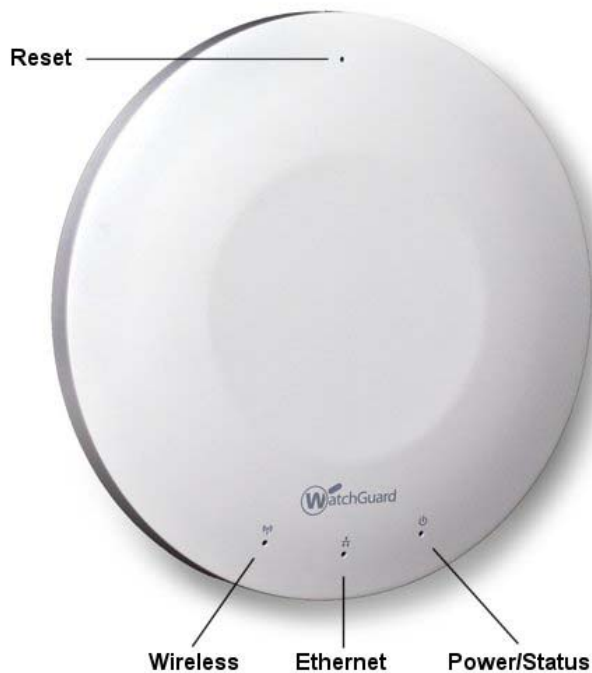
Reset Button

To reset the WatchGuard AP device to factory default settings, disconnect the power from the device. Press and hold the **Reset** button while you reconnect power to the device. Continue to hold the **Reset** button for at least ten seconds while the device initializes. When the device completes its initialization, it will be reset to factory default settings.



If you reset the WatchGuard AP to factory settings, you must perform the pairing procedure again to pair the AP device with the XTM device.

Device Indicators



Indicator	Indicator color	Interface Status
Power/Status	Not lit	No power
	Amber	Device booting
	Green	Power on and ready
Wireless	Not lit	Wireless off or disabled
	Amber	2.4GHz and 5GHz wireless network active
	Amber flashing	Transmitting and receiving data
	Green	5GHz wireless network active
	Green flashing	Transmitting and receiving data
	Red	2.4GHz wireless network active
Ethernet	Red flashing	Transmitting and receiving data
	Not lit	No link or disabled
	Amber	Link speed at 10/100Mbps
	Amber flashing	Transmitting and receiving data
	Green	Link speed at 1000Mbps (Gigabit)
	Green flashing	Transmitting and receiving data

AC Power Adapter

The included AC power adapter supplies 12V DC power to the WatchGuard AP and includes US, EU, UK, and AU region-specific adapter disk plugs.



To connect a region-specific disk plug to the AC power adapter:

1. Insert the round disk plug in the AC power adapter at an angle to align with the slots.
2. Rotate the disk clockwise until it clicks into position.

To remove a disk plug from the AC power adapter:

1. Press the **Push** button on the round disk plug.
2. Rotate the disk counter-clockwise and pull it away from the adapter.

Ethernet Power Injector

You can also power the WatchGuard AP device with an optional Ethernet Power Injector. This Power over Ethernet (PoE) device allows you to power the WatchGuard AP through an existing ethernet connection. With this feature, you do not have to position your WatchGuard AP device near a power outlet.

The Ethernet Power Injector provides 56V/15.4W power over a single 10/100 Ethernet port, and also includes region-specific plugs (US, EU, UK, AU) for connection to a wall outlet.



This device complies with the IEEE 802.3af PoE specification. Do not use any PoE adapters that are not IEEE 802.3af compliant as they may damage your device. This device is to be connected only to PoE networks without routing to the outside plant.

Connect the Ethernet Power Injector

To connect an Ethernet Power Injector to the WatchGuard AP device:

1. Attach a region-specific plug to the Ethernet Power Injector.
2. Plug the Ethernet Power Injector into an AC power source.
3. Connect a straight-through Ethernet cable from your network backbone (for example, a router, switch, or hub) to the **IN** connector on the Ethernet Power Injector.
4. Connect a straight-through Ethernet cable from the WatchGuard AP device Ethernet interface to the **OUT** connector on the Ethernet Power Injector.

Ethernet Power Injector Specifications

Ethernet Power Injector	
WatchGuard Part #	WG003000
Specification	IEEE 802.3af
AC Input Voltage Rating	100 to 240VAC
Output Voltage	56V
Output Power	15.4W
Ethernet Interfaces	In: RJ-45 for 10/100 Mbps Out: RJ-45 for 10/100 Mbps and 56V DC Voltage on pins 4-5 (+) and 7-8 (-).
Region-specific Adapter Plugs	US, EU, UK, AU

Ethernet Power Injector

Indicator	<i>Green</i> Valid IEEE802.3af load detected and connected. <i>Flashing Green/Red</i> Invalid load connected. <i>Red</i> Fault detected.
Temperature	Operating 0 to +40°C Storage -25 to +65°C
Humidity	Operation 5 to 90%
Dimensions	L = 80mm (3.15in) W = 45mm (1.77in) H = 33mm (1.29in)
Weight	95g (3.35oz.)

Documentation and Resources

For additional information about the WatchGuard AP and other WatchGuard products, see these online resources:

Product Documentation

- **WatchGuard AP** — You can view and download the most current documentation for the WatchGuard AP on the WatchGuard AP Product Documentation page at <http://www.watchguard.com/help/documentation/ap.asp>
- **WatchGuard XTM** — The WatchGuard AP is managed by a WatchGuard XTM device. For detailed information about WatchGuard AP pairing, management, and configuration with your XTM device, see the Wireless section of the Fireware XTM Web UI or WSM Help at <http://www.watchguard.com/help/documentation/xtm.asp>

Training Resources

For training presentations and additional training resources go to the WatchGuard Product Training page at <http://www.watchguard.com/training/courses.asp>

WatchGuard User Forum

An interactive online user forum moderated by senior support engineers. Go to the WatchGuard forum at <http://www.watchguard.com/forum>

Knowledge Base

You can view and search the knowledge base for information on specific WatchGuard product issues at <http://customers.watchguard.com>

WatchGuard Products and Services

For more information on WatchGuard products and services, visit the WatchGuard product information page at <http://www.watchguard.com/products>

Limited Hardware Warranty

This Limited Hardware Warranty (the “Warranty”) applies to the enclosed hardware product, not including any associated software, which is licensed pursuant to a separate end-user license agreement and warranty (the “Product”). BY USING THE PRODUCT, YOU (either an individual or a single entity) AGREE TO THE TERMS HEREOF. If you do not agree to these terms, please return this package, along with proof of purchase, to the authorized dealer from which you purchased it for a full refund. WatchGuard Technologies, Inc. (“WatchGuard”) and you agree as set forth below or on the reverse side of this card, as applicable:

1. **LIMITED WARRANTY.** WatchGuard warrants that upon delivery and for one (1) year thereafter (the “Warranty Period”): (a) the Product will be free from material defects in materials and workmanship, and (b) the Product, when properly installed and used for its intended purpose and in its intended operating environment, will perform substantially in accordance with WatchGuard applicable specifications.

This warranty does not apply to any Product that has been: (i) altered, repaired or modified by any party other than WatchGuard except for the replacement or inclusion of specified components authorized in, and performed in strict accordance with, documentation provided by WatchGuard; or (ii) damaged or destroyed by force majeure events, accidents, power spikes or similar events, or by any intentional, reckless or negligent acts or omissions of any party. You may have additional warranties with respect to the Product from the manufacturers of Product components. However, you agree not to look to WatchGuard for, and hereby release WatchGuard from any liability for, performance of, enforcement of, or damages or other relief on account of, any such warranties or any breach thereof.

2. **REMEDIES.** If any Product does not comply with the WatchGuard warranties set forth in Section 1 above, WatchGuard will, following the receipt of the product you claim is defective and at its option, either (a) repair the Product, or (b) replace the Product with a like or similar product; provided, that you will be responsible for returning the Product and for all costs of shipping and handling. Repair or replacement of the Product shall not extend the Warranty Period. Any Product, component, part or other item replaced by WatchGuard becomes the property of WatchGuard. WatchGuard shall not be responsible for return of or damage to any software, firmware, information or data contained in, stored on, or integrated with any returned Products.

3. **DISCLAIMER AND RELEASE.** THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD, AND YOUR REMEDIES, SET FORTH IN PARAGRAPHS 1 AND 2 ABOVE ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND YOU HEREBY WAIVE, DISCLAIM AND RELEASE ANY AND ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD AND ALL OTHER RIGHTS, CLAIMS AND REMEDIES YOU MAY HAVE AGAINST WATCHGUARD, EXPRESS OR IMPLIED,

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5. MISCELLANEOUS PROVISIONS. This Warranty will be governed by the laws of the state of Washington, U.S.A., without reference to its choice of law rules. The provisions of the 1980 United Nations Convention on Contracts for the International Sales of Goods, as amended, shall not apply. You agree not to directly or indirectly transfer the Product or use of the product or associated documentation to any country to which such transfer would be prohibited by the U.S. Export laws and regulations. If any provision of this Warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect and the invalid provision shall be modified or partially enforced to the maximum extent permitted by law to effectuate the purpose of this Warranty. This is the entire agreement between WatchGuard and you relating to the Product, and supersedes any prior purchase order, communications, advertising or representations concerning the Product AND BY USING THE PRODUCT YOU AGREE TO THESE TERMS. IF THE PRODUCT IS BEING USED BY AN ENTITY, THE INDIVIDUAL INDICATING AGREEMENT TO THESE TERMS BY USING THE PRODUCT

REPRESENTS AND WARRANTS THAT (A) SUCH INDIVIDUAL IS DULY AUTHORIZED TO ACCEPT THE WARRANTY ON BEHALF OF THE ENTITY AND TO BIND THE ENTITY TO THE TERMS OF THIS WARRANTY; (B) THE ENTITY HAS THE FULL POWER, CORPORATE OR OTHERWISE, TO ENTER INTO THE WARRANTY AND PERFORM ITS OBLIGATIONS UNDER THE WARRANTY AND; (C) THE WARRANTY AND THE PERFORMANCE OF THE ENTITY'S OBLIGATIONS UNDER THE WARRANTY DO NOT VIOLATE ANY THIRD-PARTY AGREEMENT TO WHICH THE ENTITY IS A PARTY. No change or modification of the Warranty will be valid unless it is in writing and is signed by WatchGuard.

All WatchGuard products are designed and tested to meet strict safety requirements. These requirements include product safety approvals and other global compliance standards. Please read the following instructions carefully before operating the product, and refer to them as needed to ensure the continued safe operation of your product. Additional information can be found in the electronic Hardware Guide.

Product Safety Certifications

The WatchGuard product is safety certified under the following standards:

- CAN/CSA C22.2 No.60950-1-07+A1:2011
- IEC 60950-1+Amd1 2nd Edition (2005)
- UL 60950-1:2007 R12.11
- EN 60950-1:2006+A11+A1+A12

Safety Warning

- Do not place objects on the power cord.
- Do not obstruct the ventilation openings. These openings prevent overheating of the machine.
- Never push objects of any kind into slots or openings on this equipment. Making a contact with a voltage point or shorting out a part may result in fire or electrical shock.
- When removing or installing an appliance, follow the general installation safety instructions.

Disclaimer

WatchGuard shall not be held liable if the end user alters, modify, or repairs any WatchGuard hardware appliance.

HINWEISE ZUR SICHERHEIT

Alle WatchGuard Produkte werden entwickelt und getestet, um strenge Sicherheitsanforderungen zu erfüllen. Diese Anforderungen umfassen Produktsicherheit Zulassungen und andere globale Compliance-Standards. Bitte lesen Sie die folgenden Anweisungen sorgfältig, bevor Sie das Produkt, und bezeichnen sie als notwendig, um den sicheren Betrieb des Geräts zu gewährleisten. Weitere Informationen finden Sie in der elektronischen Hardware Guide.

Die WatchGuard Produkt ist Sicherheit unter den folgenden Normen zertifiziert:

- CAN/CSA C22.2 No.60950-1-07+A1:2011
- IEC 60950-1+Amd1 2nd Edition (2005)
- UL 60950-1:2007 R12.11
- EN 60950-1:2006+A11+A1+A12

Sicherheitshinweis

- Legen Sie keine Gegenstände auf das Netzkabel.
- Verdecken Sie nicht die Lüftungsöffnungen. Diese Öffnungen verhindern eine Überhitzung der Maschine.
- Stecken Sie niemals Gegenstände jeglicher Art in die Schlitze oder Öffnungen des Geräts stecken. Der Kontakt mit einem spannungsführenden Punkt oder das Kurzschließen eines Bauteils kann zu einem Brand oder elektrischen Schlag führen.
- Beim Entfernen oder Installieren eines Gerätes, nach den allgemeinen Installation Sicherheitshinweise.

AVISO DE SEGURIDAD

Todos los productos WatchGuard están diseñados y probados para satisfacer estrictos requisitos de seguridad. Estos requisitos incluyen la homologación de productos de seguridad y otras normas de cumplimiento global. Por favor, lea atentamente las siguientes instrucciones antes de utilizar el producto, y se refieren a ellos como sea necesario para garantizar el funcionamiento seguro y continuo de su producto. Información adicional se puede encontrar en la Guía del usuario electrónica.

Certificación de seguridad del producto

El producto tiene certificación de seguridad WatchGuard bajo las siguientes normas:

- CAN/CSA C22.2 No.60950-1-07+A1:2011
- IEC 60950-1+Amd1 2nd Edition (2005)
- UL 60950-1:2007 R12.11

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- EN 60950-1:2006+A11+A1+A12

Advertencia de seguridad

- No coloque objetos sobre el cable de alimentación.
- No obstruya las aberturas de ventilación. Estas aberturas evitan el sobrecalentamiento de la máquina.
- Nunca introduzca objetos de ningún tipo en las ranuras o aberturas del equipo. El contacto con puntos de voltaje o el cortocircuito de una pieza podría provocar un incendio o una descarga eléctrica.
- Al extraer o instalar un electrodoméstico, siga las instrucciones generales de instalación de seguridad.

FCC Certification

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

* FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Dieses Gerät wurde getestet und entspricht den Grenzwerten für ein Digitalgerät der Klasse A gemäß Teil 15 der Federal Communications Commission (FCC) Regeln einhalten. Diese Grenzwerte sollen einen angemessenen Schutz vor schädlichen Störungen, wenn das Gerät in einer kommerziellen Umgebung betrieben wird. Dieses Gerät erzeugt, verwendet und kann Hochfrequenzenergie abstrahlen, und wenn nicht installiert und in Übereinstimmung mit der Bedienungsanleitung, kann es Störungen im Funkverkehr verursachen. Der Betrieb dieses Gerätes in einem Wohngebiet wird wahrscheinlich schädliche Interferenzen in dem Fall muss der Benutzer die Störungen auf seine / ihre eigene Kosten zu beheben.

CE Notice

The CE symbol on your WatchGuard Technologies equipment indicates that it is in compliance with the Electromagnetic Compatibility (EMC) directive and the Low Voltage Directive (LVD) of the European Union (EU).



Industry Canada Certification

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

R&TTE Compliance Statement

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

RoHS Statement

The member states of the European Union approved directive 2002/95/EC, Restrictions of Hazardous Substances ("RoHS directive") that became valid on July 1, 2006. It states that all new electrical and electronic equipment put on the market within the member states must not contain certain hazardous materials. This device complies with the European Union's RoHS directive 2002/95/EC and similar regulations that may be adopted by other countries for European Sales.

WEEE Statement

WEEE is a general set of requirements dictated in the EU Directive 2002/96/EC. This Directive mandated that member EU countries enact regulations governing the Waste of Electrical and Electronic Equipment (WEEE). The Directive, and its individual transpositions into specific country laws and legislation, is aimed at the reduction of WEEE through reuse, recovery, and recycling of WEEE.

WatchGuard is working in partnership with our European Union (EU) distribution partners to ensure that our products are in compliance with the WEEE statutes, and that the recovery of our product per the specific EU country legislative requirements is seamless for our product's end users. If you have a WatchGuard product that is at its end of life and needs to be disposed of, please contact WatchGuard Customer Care Department at:

U.S. Customers: 877.232.3531

International Customers: +1.206.613.0456

WatchGuard is reasonably confident that our products do not contain any substances or hazardous materials presently banned by any legislation, and do not present a risk due to hazardous materials. WEEE recovery professionals should also note that these products do not have any materials that are of particular high value in their individual form.

REACH Certificate of Compliance

The new EU chemicals policy REACH (Registration, Evaluation, Authorization and restriction of Chemicals) came into effect on June 1, 2007. REACH is Europe's new chemicals legislation, which is applicable in all 27 EU Member States as well as the EFTA European Economic Area (EEA). REACH creates a new system for gathering information, assessing risks to human health and the environment, and authorizing or restricting the marketing and use of chemicals produced or supplied in the EEA. REACH has an impact on EEA producers and importers of finished products and users of chemicals in the course of industrial or professional activities.

WatchGuard supports the overall REACH objective of improving the protection of human health and the environment and will meet all applicable REACH requirements. WatchGuard is strongly committed to working with our customers and supply chain to define and implement the REACH requirements and ensure a smooth transition to compliance.

One of the REACH requirements is that manufacturers and importers have the duty to register substances they are producing or importing. In accordance with the regulations, the products of WatchGuard do not need to be registered for the following reasons:

- WatchGuard does not import more than 1 metric ton per year of a substance as defined by REACH.
- WatchGuard products are non-chemical products that are not designed to release any substance under normal and reasonably predictable application.
- Our products do not contain the listed substances at more than 0.1% by weight of the whole product/part.

Brazil

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

China

低功率射频设备的管理办法

第 12 条

对于那些低功率的无线电频率的设备已经获得了批准，公司，业务单位或用户不应该改变它的频率，增加它的力量，或改变其原有的特色和功能。

第 14 条

低功率射频设备的操作的条件，没有造成有害干扰航空安全和认可的无线电台，如果造成干扰，用户必须立即停止操作设备，而无法再操作，直到产生有害干扰是明确的。

授权的无线电台站装置的无线通信服务的操作根据与传播法。

低功率射频设备的运行是受到认可的无线电台的操作所造成的干扰，另一种有意或无意的散热器，工业，科学和医疗（ISM）设备，或通过附带的散热器。

VCCI Notice Class A ITE (Japan)

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

France

(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Korea

해당 무선설비는 운용 중 전파혼신 가능성이 있음

Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su propia operación no deseada.

Taiwan Class A Type Device

警告使用者: 這是甲類的資訊產品, 在居住的環境中使用時, 可能會造成射頻干擾, 在這種情況下, 使用者會被要求採取某些適當的對策。

Declaration of Conformity

Declaration of Conformity

WatchGuard Technologies Inc. hereby declares that the product(s) listed below conform to the European Union directives and standards identified in this declaration.

Product(s):

Wireless Access Point, Model AP100 & AP200

EU Directive(s):

Radio & Telecommunications Terminal Equipment (1999/5/EC) Low Voltage (2006/95/EC)

Electromagnetic Compatibility (2004/108/EC)

Energy-related Products (2009/125/EC)

Common Standard(s):

EN 60950-1:2006;Am11:2009+Am1:2010+Am12:2011

EN 55022:2010

EN 55024:2010

EN 61000-3-2:2006+A1:2009+A2:2009

EN 61000-3-3:2008

Safety of ITE

Class A Emissions for ITE

Immunity for ITE

Harmonics

Flicker

Wireless Standard(s):

EN 301 489-01 v1.9.2 (2011-09)

EN 301 489-17 v2.1.1 (2009-05)

EN 300 328 v1.7.1 (2006-10)

EN 301 893 v1.6.1 (2011-11)

EMC and Radio Spectrum Matters

EMC and Radio Spectrum Matters

Radio Spectrum Matters

Broadband Radio Access Networks

In accordance with the Radio and Telecommunications Terminal Equipment Act (FTEG) and Directive 1999/5/EC (R&TTE Directive).

Manufacturer / Hersteller:

WatchGuard Technologies

505 5th Ave S. Suite 500, Seattle, WA 98104

Wireless Access Point

AP100 & AP200

802.11a,b,g,n (2.4Ghz & 5Ghz)

Indoor Access Point

Class II

Radio Equipment / Funkanlage:

Type Designation / Typenbezeichnung:

Specifications / Technische Daten:

Intended Purpose / Verwendungszweck:

Equipment Class / Betriebsmittel der Klasse:

The above device complies with the essential requirements and other relevant provisions to Directive 1999/5/EC when used for its intended purpose. This equipment may be operated in the USA, Canada, Europe Union & Australia-New Zealand.

Warning! This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Restrictions: Italy – For private use, a general authorization is required if this device is used outside own premises.

Norway – This device does not apply for the geographical area within a radius of 20 km from the center of Ny-Alesund.

Die oben genannten Gerät entspricht den grundlegenden Anforderungen und anderen relevanten Bestimmungen der Richtlinie 1999/5/EG, wenn für den vorgesehenen Zweck verwendet werden. Dieses Gerät ist für die Verwendung in den USA, Kanada, Europäische Union & Australia-New Zealand betrieben werden.

Warning! Dies ist eine Einrichtung der Klasse A. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen. In diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen

Beschränkungen: Italien – Für den privaten Gebrauch ist eine allgemeine Genehmigung erforderlich, wenn das Gerät außerhalb der eigenen Räumlichkeiten verwendet wird. **Norwegen** – Dieses Gerät darf nicht in den geografischen Gebieten innerhalb eines Radius von 20 km vom Zentrum von Ny-Alesund verwendet werden.

Signature:

Full Name:

Position:

Date:

Steve Zirschky

Corporate Officer

June 19, 2012

RoHS



366-4250-001 Rev A

GNU General Public License (GPL)

Version 2, June 1991

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